



DFW

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

Attorney Docket No.: **Poly-48APP**

Applicants: **Stephen ARNOLD et al.**

Serial No.: **10/735,247**

Filing Date: **December 12, 2003**

Title: **USING A CHANGE IN ONE OR MORE PROPERTIES OF LIGHT IN ONE  
OR MORE MICROSPHERES FOR SENSING CHEMICALS SUCH AS  
EXPLOSIVES AND POISON GASES**

Examiner: **Not yet assigned**

Group Art Unit: **2877**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

S I R:

**Information Disclosure Statement Transmittal**


The applicants respectfully request that the references listed on the attached PTO/SB/08A be considered in the examination of the above-identified application. A copy of each of these references, except for U.S. patents and patent application publications is enclosed. (See the notice, "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications Filed After June 30, 2003," Pre-OG Notices (July 11, 2003).)

The applicants reserve the right to establish that any of the references listed on the attached PTO/SB/08A are not prior art to the above-captioned application.

Since a first Office Action on the merits has not yet been received, the applicants assume that this Information Disclosure Statement should be considered under 37 C.F.R. §§ 1.97(b)(3). **Accordingly, it is believed that no fee is due.** If, however, an Office Action on the merits has been mailed before the filing date of this Information Disclosure Statement, the Office is authorized to charge any fee required to have the Information Disclosure Statement considered to the deposit account of Straub & Pokotylo, deposit account number 50-1049.

Respectfully submitted,

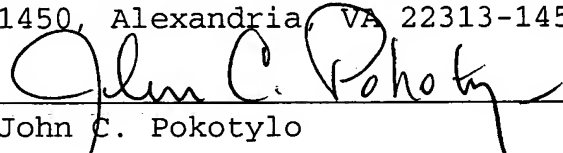
Dated: April 19, 2005

  
John C. Pokotylo, Attorney  
Reg. No. 36,242  
Customer No. 26479  
(732) 542-9070

STRAUB & POKOTYLO  
620 Tinton Avenue  
Bldg. B, 2<sup>nd</sup> Floor  
Tinton Falls, NJ 07724-3260

**CERTIFICATE OF MAILING under 37 C.F.R. 1.8(a)**

I hereby certify that this correspondence is being deposited on **April 19, 2005** with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
John C. Pokotylo

36,242  
Reg. No.

APR 22 2005

Application Number: **10/735,247**  
Filing Date: **December 12, 2003**  
First Named Inventor: **Stephen ARNOLD**  
Group Art Unit: **2877**  
Examiner Name: **Not yet assigned**  
Attorney Docket No.: **Poly-48APP**

Sheet	1	of	2
-------	---	----	---

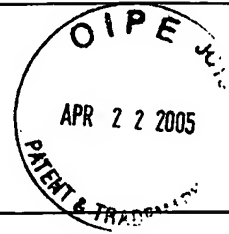
[illegible][illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached kinds of U.S. Patent Documents. 3 Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16, if possible. 6 Applicant is to place a check mark here if English language translation is attached.

U.S. Department of Commerce Patent and Trademark Office		<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		Application Number: <b>10/735,247</b> Filing Date: <b>December 12, 2003</b> First Named Inventor: <b>Stephen ARNOLD</b> Group Art Unit: <b>2877</b> Examiner Name: <b>Not yet assigned</b>	
		Attorney Docket No.: <b>Poly-48APP</b>	
Sheet	<b>2</b>	of	<b>2</b>



OTHER REFERENCES - NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume, issue number(s), publisher, country, where published, source	T <sup>2</sup>
	BA	Vollmer, Frank; Arnold, Stephen; Braun, Dieter; Teraoka, Iwao; "Multiplexed DNA Quantification by Spectroscopic Shift of Two Microsphere Cavities," Biophysical Journal, Volume 85, September 2003 (1974-1979).	
	BB	Cai, Ming; Hunziker, Guido; Vahala, Kerry; "Fiber-Optic Ad-Drop Device Based on a Silica Microsphere-Whispering Gallery Mode System," IEEE Photonics Technology Letters, Volume 11, No. 6, (June, 1999)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 Applicant is to place a check mark here if English language translation is attached.